

APPENDIX C: SPECIES OF SPECIAL CONSIDERATION

Species of special consideration is a broad term intended to encompass names used by managing agencies such as sensitive species, species of special concern, endangered, threatened, etc. Some terms can vary appreciably in formality or use and the criteria for species status can vary among agencies. In addition, most taxa carry more than one listing status or designation.

The sensitive species analysis included all species within the “Northern and Eastern Mojave Planning Area,” an almost eight million acre area of California and a small part of Nevada. This analysis found that the NEMO planning area supports roughly 175 plant and animal species of special consideration. These include species that are endangered, threatened, proposed, or candidate species under the Federal Endangered Species Act of 1973, as amended; endangered, threatened, proposed, or rare under the California Endangered Species Act; or agency-defined sensitive or endemic species of special concern. The following tables show these protective designations or others defined by the California Native Plant Society (CNPS) or the California/Nevada Natural Diversity Data Base (CNDDDB/NNDDDB).

Habitats that support one or more species of special consideration were reviewed in this planning effort, although not typically given legal protective status by agencies as are individual species. Because of this, habitats of special consideration may also be referred to throughout this document as “sensitive habitats.” Those sensitive habitats which were a focus of plan review were riparian, wetland, sand dune and wash habitats as well as widespread or local habitats key in supporting desert tortoise, bats, bighorn sheep, carbonate plants and a variety of endemic species.

TABLE C-1: ANIMALS OF SPECIAL CONSIDERATION WITHIN THE NORTHERN AND EASTERN MOJAVE PLANNING AREA

(Federally or State Listed or Proposed Species known to occur within Death Valley National Park are bolded)

ANIMAL SPECIES		LISTING STATUS		RECORDED OR POTENTIAL OCCURRENCE IN NEMO		
Common Name	Scientific Name	Federal	State	Death Valley NP	Mojave NP	BLM
BIRDS						
Cooper's hawk	<i>Accipiter cooperi</i>		CDF&G "Species of Special Concern"	R	R	R
tricolored blackbird	<i>Agelaius tricolor</i>	(Former C2) NPS SS	CDF&G "Species of Special Concern"	R	?	P
golden eagle	<i>Aquila chrysaetos</i>	Protected under the Bald Eagle Protection Act	CDF&G "Species of Special Concern"	R	R	R
long-eared owl	<i>Asio otus</i>		CDF&G "Species of Special Concern"	R	R	R
western burrowing owl	<i>Athene cunicularia-hypugea</i>	(Former C2)	CDF&G "Species of Special Concern"	R	R	R
ferruginous hawk	<i>Buteo regalis</i>	(Former C2) NPS SS	CDF&G "Species of Special Concern"	R	P	P
Swainson's hawk	<i>Buteo swainsoni</i>		Threatened	R	R	R

ANIMAL SPECIES		LISTING STATUS		RECORDED OR POTENTIAL OCCURRENCE IN NEMO		
Common Name	Scientific Name	Federal	State	Death Valley NP	Mojave NP	BLM
western snowy plover	<i>Charadrius alexandrinus nivosus</i>	Coastal populations are listed Threatened; Inland populations were formerly C2 NPS SS	CDF&G "Species of Special Concern"	R		R
northern harrier	<i>Circus cyaneus</i>		CDF&G "Species of Special Concern"	R	R	R
western yellow billed cuckoo	<i>Coccyzus americanus occidentalis</i>		Endangered	R		R
yellow warbler	<i>Dendroica petechia brewsteri</i>		CDF&G "Species of Special Concern"	R	P	P
southwestern willow flycatcher	<i>Empidonax trailli extimus</i>	Endangered	(<i>Empidonax trailli</i> is state listed Endangered)	R	R	R
prairie falcon	<i>Falco mexicanus</i>		CDF&G "Species of Special Concern"	R	R	R
yellow-breasted chat	<i>Icteria virens</i>		CDF&G "Species of Special Concern"	R	R	P
western least bittern	<i>Ixobrychus exilis hesperis</i>	(Former C2) NPS SS		R		P
California grey-headed junco	<i>Junco hyemalis caniceps</i>		CDF&G "Species of Special Concern"	R	R	P
loggerhead shrike	<i>Lanius ludovicianus</i>	(Former C2) NPS SS	CDF&G "Species of Special Concern"	R	R	R
gila woodpecker	<i>Melanerpes uropygialis</i>		Endangered			
elf owl	<i>Micrathene whitneyi</i>		Endangered	R	P	
western brown-crested flycatcher	<i>Myiarchus tyrannulus</i>		CDF&G "Species of Special Concern"			
hepatic tanager	<i>Piranga flava</i>		CDF&G "Species of Special Concern"	R	R	P
summer tanager	<i>Piranga rubra</i>		CDF&G "Species of Special Concern"	R	R	P
white-faced ibis	<i>Plegadis chihi</i>	(Former C2) NPS SS	CDF&G "Species of Special Concern"	R		
black-tailed gnatcatcher	<i>Polioptila melanura</i>		CDF&G "Species of Special Concern"	R	R	P (R?)
vermillion flycatcher	<i>Pyrocephalus rubinus</i>		CDF&G "Species of Special Concern"	R	R	P
Bendire's thrasher	<i>Toxostoma bendirei</i>		CDF&G "Species of Special Concern"	R	R	P
Crissal thrasher	<i>Toxostoma crissale</i>		CDF&G "Species of Special Concern"	R	R	P
Le Conte's thrasher	<i>Toxostoma lecontei</i>		CDF&G "Species of Special Concern"	R	R	R
Virginia's warbler	<i>Vermivora virginiae</i>		CDF&G "Species of Special Concern"	R	R	P
least Bells vireo	<i>Vireo bellii pusillus</i>	Endangered	Endangered	R	P	R
gray vireo	<i>Vireo vicinior</i>		CDF&G "Species of Special Concern"	R	R	P

ANIMAL SPECIES		LISTING STATUS		RECORDED OR POTENTIAL OCCURRENCE IN NEMO		
Common Name	Scientific Name	Federal	State	Death Valley NP	Mojave NP	BLM
MAMMALS						
desert pallid bat	<i>Antrozous pallida</i>		CDF&G "Species of Special Concern"	R	R	R
Townsend's big-eared bat	<i>Corynorhinus townsendii pallescens</i>	NPS SS	CDF&G "Species of Special Concern"	R	R	R
Panamint kangaroo rat	<i>Dipodomys panamintinus panamintinus</i>			R		R
California leaf-nosed bat	<i>Macrotus californicus</i>	(Former C2)	CDF&G "Species of Special Concern"		P (R?)	R?
Amargosa vole	<i>Microtus californicus scirpensis</i>	Endangered	Endangered			R
desert bighorn sheep	<i>Ovis canadensis nelsoni</i>	BLM SS		R	R	R
Mohave ground squirrel	<i>Spermophilus mohavensis</i>	(Former C2) NPS SS	Threatened	R		R
Kingston Mountain chipmunk	<i>Tamias panamintinus acrus</i>				R	R
american badger	<i>Taxidea taxus</i>		CDF&G "Species of Special Concern"	R	R	R
Amargosa southern pocket gopher	<i>Thomomys umbrinus amargosae</i>	(Former C2) NPS SS		R		R
AMPHIBIANS						
Inyo Mountains salamander	<i>Batrachoseps campi</i>	BLM SS (Former C2)	CDF&G "Species of Special Concern"	R?		R
black toad	<i>Bufo exsul</i>	(Former C2)	Threatened	R		R
REPTILES						
Panamint alligator lizard	<i>Elgaria panamintinus</i>	NPS SS	CDF&G "Species of Special Concern"	R		R
desert tortoise	<i>Gopherus agassizii</i>	Threatened	Threatened	R	R	R
banded gila monster	<i>Heloderma suspectum cinctum</i>	BLM SS	CDF&G "Species of Special Concern"		R	R
rosy boa	<i>Lichanura trivirgata</i>	(Former C2) NPS SS		R	R	R
chuckwalla	<i>Sauromalus obesus</i>	(Former C2)	CDF&G "Species of Special Concern"	R	R	R
FISH						
Devils Hole Pupfish	<i>Cyprinodon diabolis</i>	Endangered	NV Endangered	R		
Amargosa River pupfish	<i>Cyprinodon nevadensis amargosae</i>	BLM SS	CDF&G "Species of Special Concern"	R		R
Saratoga Springs pupfish	<i>Cyprinodon nevadensis nevadensis</i>		CDF&G "Species of Special Concern"	R		
Shoshone pupfish	<i>Cyprinodon nevadensis shoshone</i>	(Former C2)	CDF&G "Species of Special Concern"			R
Cottonball Marsh pupfish	<i>Cyprinodon salinus milleri</i>		Threatened	R		
Salt Creek pupfish	<i>Cyprinodon salinus salinus</i>		CDF&G "Species of Special Concern"	R		

ANIMAL SPECIES		LISTING STATUS		RECORDED OR POTENTIAL OCCURRENCE IN NEMO		
Common Name	Scientific Name	Federal	State	Death Valley NP	Mojave NP	BLM
Mohave tui chub	<i>Gila bicolor mohavensis</i>	Endangered	Endangered		R	
Amargosa Canyon speckled dace	<i>Rhinichthys osculus</i> ssp 1	(Former C2)	CDF&G "Species of Special Concern"	R		R
INSECTS						
Death Valley Agabus diving beetle	<i>Agabus rumpi</i>	(Former C2)				R
Furnace Creek naucorid bug	<i>Ambrysus funebris</i>	(Former C2)		R		
Kelso Jerusalem cricket	<i>Ammopelmatus kelsoensis</i>	(Former C2)			R	
Saratoga Springs Belostoma bug	<i>Belostoma saratogae</i>	(Former C2) NPS SS		R		
monarch butterfly	<i>Danaus plexippus</i>			R	P	R
Kelso giant sand treader cricket	<i>Macrobaenetes kelsoensis</i>	(Former C2)			R	
Furnace Creek riffle beetle	<i>Microcylloepus formicoideus</i>	NPS SS		R		
unnamed riffle beetle	<i>Microcylloepus similis</i>	NPS SS		R		
Amargosa Naucorid bug	<i>Pelocoris shoshone amargosus</i>	(Former C2) NPS SS		R		R
Saline Valley Snow Front Scarab beetle	<i>Polyphylla anteronivea</i>	(Former C2)		R		
Death Valley June beetle	<i>Polyphylla erratica</i>	(Former C2) NPS SS		R		
Devils Hole riffle beetle	<i>Stenelmis calida calida</i>	NPS SS		R		
Shoshone cave whip scorpion	<i>Trithyreus shoshonensis</i>	BLM SS NPS SS				R
SNAILS						
Badwater snail	<i>Assiminea infima</i>	(Former C2) NPS SS		R		
Deep Springs fonticella	<i>Fonticella</i> sp.					R
Micrarionta rowelli bakerensis (no common name)	<i>Micrarionta rowelli bakerensis</i>	(Former C2)			R	
Oasis Valley spring snail	<i>Pyrgulopsis micrococcus</i>	NPS SS		R		
Grapevine Springs elongate tryonia	<i>Tryonia margae</i>	NPS SS		R		
robust tryonia	<i>Tryonia robusta</i>	NPS SS		R		
Grapevine Springs squat tryonia	<i>Tryonia rolandsi</i>	NPS SS		R		
Cottonball Marsh tryonia	<i>Tryonia salina</i>	NPS SS		R		
Amargosa tryonia	<i>Tryonia variegata</i>	NPS SS		R		?

STATUS EXPLANATIONS

Federal

NPS SS = National Park Service Sensitive Species = Any species or infraspecies not otherwise designated whose population characteristics warrant special management or more intensive monitoring. Consideration may include but is not limited to: local rarity; endemism, park management objectives, usefulness of species as an indicator species, vulnerability to population declines; human disturbance; political concern / public interest

BLM SS = Bureau of Land Management Sensitive Species = Sensitive species are those designated by a State Director, usually in cooperation with the State agency responsible for managing the species as sensitive. They are those species that are: (1) under status review by the FWS/NMFS; or (2) whose numbers are declining so rapidly that Federal listing may become necessary; or (3) with typically small and widely dispersed populations; or (4) those inhabiting ecological refugia or other specialized or unique habitats.

State

CDFG "Species of Special Concern" = An administrative designation given to vertebrate species that appear to be vulnerable to extinction because of declining populations, limited ranges, and/or continuing threats. Some species may be just starting to decline, while others may have already reached the point where they meet the criteria for listing as a threatened or endangered species.

**TABLE C-2: PLANTS OF SPECIAL CONSIDERATION WITHIN THE NORTHERN AND EASTERN
MOJAVE PLANNING AREA**

**(Federally or State Listed or Proposed Species known to occur within Death Valley National Park are
bolded)**

PLANT SPECIES		LISTING STATUS		CNPS	CNPS RED CODE	RECORDED OCCURRENCES IN NEMO		
Common Name	Scientific Name	Federal	State	CNPS		Death Valley NP	Mojave NP	BLM
Mormon needle grass	<i>Achnatherum aridum</i>			2	2-1-1	R	R	
Nevada onion	<i>Allium nevadense</i>			2	3-1-1		R	
pinyon rock cress	<i>Arabis dispar</i>			2	2-1-1	R		
Darwin rock cress	<i>Arabis pulchra</i> var. <i>munciensis</i>	BLM SS		2	3-1-1	R?		R
Shockley's rock cress	<i>Arabis shockleyi</i>			2	3-2-1	R		
white bear poppy	<i>Arctomecon merriamii</i>	BLM SS		1B	2-2-2	R		R
cloak fern	<i>Argyrochosma limitanea</i> var. <i>limitanea</i>			2	3-1-1		R	
playa milk-vetch	<i>Astragalus allochorous</i> var. <i>playanus</i>			2	2-2-1		R	R
Darwin Mesa milk-vetch	<i>Astragalus atratus</i> var. <i>mensanus</i>			1B	3-1-3	R		
Cima milk-vetch	<i>Astragalus cimae</i> var. <i>cimae</i>			1B	3-2-2		R	
black milk-vetch	<i>Astragalus funereus</i>	BLM SS		1B	3-2-2	R		
Geyer's milk-vetch	<i>Astragalus geyeri</i> var. <i>geyeri</i>	BLM SS		2	3-2-1	R		R
Gilman's milk-vetch	<i>Astragalus gilmanii</i>	Former C2		4	1-2-2	R		?
shining milk-vetch	<i>Astragalus lentiginosus</i> var. <i>micans</i>	Proposed Threatened		1B	3-2-3	R		
Sodaville milk-vetch	<i>Astragalus lentiginosus</i> var. <i>sesquimetralis</i>	Proposed Threatened	CA Endangered; NVCE	1B	3-3-2	R		
curved-pod milk-vetch	<i>Astragalus mohavensis</i> var. <i>hemigyus</i>	BLM SS	NVCE#	1A		R?		?
little big-pod milk-vetch	<i>Astragalus platytropis</i>			2	2-2-1	R		
Preuss's milk-vetch	<i>Astragalus preussii</i> var. <i>preussii</i>			2	3-1-1	R?		
naked milk-vetch	<i>Astragalus serenoii</i> var. <i>shockleyi</i>			2	2-2-1	R	?	?
scaly cloak fern	<i>Astrolopsis cochisensis</i>			2	2-1-1	R?		R
ayenia	<i>Ayenia compacta</i>			2	2-1-1		R	
Fremont barberry	<i>Berberis fremontii</i>			3	?-?-1		?	?
King's eyelash grass	<i>Blepharidachne kingii</i>			2	2-1-1	R		R
red grama	<i>Bouteloua trifida</i>			2	3-1-1	R		R
alkali mariposa lily	<i>Calochortus striatus</i>	BLM SS	On NV watch list	1B	2-2-2			?

PLANT SPECIES		LISTING STATUS		CNPS	CNPS RED CODE	RECORDED OCCURRENCES IN NEMO		
Common Name	Scientific Name	Federal	State	CNPS		Death Valley NP	Mojave NP	BLM
crucifixion thorn	<i>Castela emoryi</i>			2	2-1-1		R	
Jaeger's caulostamina	<i>Caulostamina jaegeri</i>	BLM SS		1B	3-2-3	R?		R?
Spring loving centaury	<i>Centaureum namophilum</i>	Threatened	NVCE			R		?
Wooton's lace fern	<i>Cheilanthes wootonii</i>			2	2-1-1	R?	R	?
desert birds beak	<i>Cordylanthus eremicus</i> ssp. <i>eremicus</i>			4	1-1-3	R	?	?
purple bird's-beak	<i>Cordylanthus parviflorus</i>			2	3-1-1		R	
Tecopa birdsbeak	<i>Cordylanthus tecopenis</i>	BLM SS	NV Threatened	1B	3-2-2			R
Gilman's cymopterus	<i>Cymopterus gilmanii</i>			2	2-1-1	R		R
Ripley's cymopterus	<i>Cymopterus ripleyi</i>			2	3-2-1	R		
July gold	<i>Dedeckera eurekensis</i>	BLM SS	CA Rare	1B	2-1-3	R		R
Panamint Dudleya	<i>Dudleya saxosa saxosa</i>			4	1-2-3	R		
Howe's hedgehog	<i>Echinocereus engelmannii</i> var. <i>howei</i>	BLM SS		1B	3-3-3		R	
Panamint daisy	<i>Enceliopsis covillei</i>	BLM SS		1B	3-2-3	R		R
Ash meadows sunray	<i>Enceliopsis nudicaulis</i> var. <i>corrugata</i>	Threatened	NVCE	4	1-1-1	R		
nine-awned pappus grass	<i>Enneapogon desvauxii</i>			2	3-1-1		R	
Gilman's goldenbush	<i>Ericameria gilmanii</i>			1B	3-1-3	R		
forked buckwheat	<i>Eriogonum bifurcatum</i>	BLM SS	NV Threatened	1B	3-2-2	?		R
Reveal's buckwheat	<i>Eriogonum contiguum</i>			2	2-1-1	R		
Wild Rose canyon buckwheat	<i>Eriogonum eremicola</i>	BLM SS		1B	3-1-3	R		R
Thorne's buckwheat	<i>Eriogonum ericifolium</i> var. <i>thornei</i>		CA Endangered	1B	3-2-3		R	
jointed buckwheat	<i>Eriogonum intrafractum</i>	Former C2		4	1-1-3	R		?
Panamint Mountains buckwheat	<i>Eriogonum microthecum</i> var. <i>panamintense</i>	BLM SS		1B	3-1-3	R		R
juniper buckwheat	<i>Eriogonum umbellatum</i> var. <i>juniporinum</i>			2	3-1-1		R	R
hairy erioneuron	<i>Erioneuron pilosum</i>			2	2-1-1	R	R	
viviparous foxtail cactus	<i>Escobaria vivipara</i> var. <i>rosea</i>			1B	3-2-2		R	
Clark Mountain spurge	<i>Euphorbia exstipulata</i> var. <i>exstipulata</i>			2	3-3-1		R	
hot-springs fimbristylis	<i>Fimbristylis thermalis</i>			2	2-2-1	R		
Kingston Mountain bedstraw	<i>Galium hilendiae</i> ssp. <i>kinstonense</i>	BLM SS	NV Threatened	1B	3-1-2			R

PLANT SPECIES		LISTING STATUS		CNPS	CNPS RED CODE	RECORDED OCCURRENCES IN NEMO		
Common Name	Scientific Name	Federal	State	CNPS		Death Valley NP	Mojave NP	BLM
Telescope peak bedstraw	<i>Galium hypotrichium</i> ssp. <i>tomentellum</i>			1B	3-1-3	R		
Wrights's bedstraw	<i>Galium wrightii</i>			2	3-1-1		R	
Ripley's gilia	<i>Gilia ripleyi</i>			2	3-1-1	R		?
golden carpet	<i>Gilmania luteola</i>			1B	3-1-3	R		
pungent glossopetalon	<i>Glossopetalon</i> <i>pungens</i>	BLM SS		1B	3-2-2		R	
Ash meadows gumplant	<i>Grindelia fraxino- pratensis</i>	Threatened	On NV watch list	1B	3-2-2			R
Inyo hulsea	<i>Hulsea vestita</i> ssp. <i>inyoensis</i>	BLM SS		2	2-2-1	R		
Yellow ivesia	<i>Ivesia arizonica</i> var. <i>arizonica</i>			3	?-?-1	R		
Jaeger's ivesia	<i>Ivesia jaegeri</i>	BLM SS	On NV watch list	1B	3-1-2		R	
Kingston Mountains cinquefoil	<i>Ivesia patellifera</i>	BLM SS		1B	3-1-3			R
sand linanthus	<i>Linanthus arenicola</i>			2	1-2-1	R	R	
scrub lotus	<i>Lotus argyraeus</i> var. <i>multicaulis</i>			1B	3-1-3		R	
Providence Mountains lotus	<i>Lotus argyraeus</i> var. <i>notitius</i>			1B	2-1-3		R	
Panamint Mountains lupine	<i>Lupinus magnificus</i> var. <i>magnificus</i>	BLM SS		1B	3-1-3	R		
wolftail	<i>Lycurus phleoides</i> var. <i>phleoides</i>			2	3-2-1		R	
spearleaf	<i>Matelea parvifolia</i>			2	3-1-1		R	
violet twining snapdragon	<i>Maurandya</i> <i>antirrhiniflora</i> ssp. <i>antirrhiniflora</i>			2	3-1-1		R	
rock lady	<i>Maurandya</i> <i>petrophila</i>	BLM SS	CA Rare	1B	3-2-3	R		
Utah monkeyflower	<i>Mimulus glabratus</i> ssp. <i>utahensis</i>			2	3-2-1	R		
appressed muhly	<i>Muhlenbergia</i> <i>appressa</i>			2	2-2-1		R	
tough muhly	<i>Muhlenbergia arsenei</i>			2	2-1-1		R	
delicate muhly	<i>Muhlenbergia fragilis</i>			2	3-1-1		R	
few-flowered muhly	<i>Muhlenbergia</i> <i>pauciflora</i>			2	3-1-1		R	
false buffalo-grass	<i>Munroa squarrosa</i>			2	3-2-1		R	
forked purple mat	<i>Nama dichotomum</i> var. <i>dichotomum</i>			2	3-1-1		R	
slender Woolly- heads	<i>Nemacaulis denudata</i> var. <i>gracilis</i>			2	2-2-1		R	
Amargosa niterwort	<i>Nitrophila mohavensis</i>	Endangered	CA Endangered	1B	3-3-2	R?		R
Eureka Dunes evening primrose	<i>Oenothera californica</i> ssp. <i>eurekensis</i>	Endangered	CA Rare	1B	3-2-3	R		
short-joint cactus	<i>Opuntia basilaris</i> var. <i>Brachyclada</i>	BLM SS		1B	3-2-3		R	
curved-spine beavertail	<i>Opuntia curvospina</i>			2	2-2-1		R	
beautiful cholla	<i>Opuntia pulchella</i>			2	2-2-1			R

PLANT SPECIES		LISTING STATUS		CNPS	CNPS RED CODE	RECORDED OCCURRENCES IN NEMO		
Common Name	Scientific Name	Federal	State	CNPS		Death Valley NP	Mojave NP	BLM
Watson's oxytheca	<i>Oxytheca watsonii</i>			2	3-2-1	R		R
cliff brake	<i>Pellaea truncata</i>			2	2-1-1		R	
limestone beard tongue	<i>Penstemon calcareus</i>			2	2-1-1	R	R	?
Death Valley beardtongue	<i>Penstemon fruticiformis</i> var. <i>amargosae</i>	BLM SS		4	1-1-2	R	R	R
Pahute Mesa penstemon	<i>Penstemon pahutensis</i>					R		
Stephen's beardtongue	<i>Penstemon stephensii</i>	BLM SS		1B	2-2-3			R
Inyo laphamia	<i>Perityle inyoensis</i>	BLM SS		1B	3-2-3			R
Hanaupah rock daisy	<i>Perityle villosa</i>	BLM SS		1B	3-1-3	R		
Death Valley sandpaper plant	<i>Petalonyx thurberi</i> ssp. <i>gilmanii</i>	BLM SS		1B	3-2-3	R		?
Saline Valley phacelia	<i>Phacelia amabilis</i>			3	3-1-3	R		R
Aven Nelson's phacelia	<i>Phacelia anelsonii</i>			2	2-1-1	R?	R	
Death Valley round- leaved phacelia	<i>Phacelia mustelina</i>		On watch list in NV	1B	2-1-2	R		
Goodding's phacelia	<i>Phacelia pulchella</i> var. <i>gooddingii</i>			2	3-1-1	R		R
two-needle pinyon pine	<i>Pinus edulis</i>			3	3-1-1		R	
small-flowered rice grass	<i>Piptatherum micranthum</i>			2	2-1-1			R
desert popcorn- flower	<i>Plagiobothrys salsus</i>			2	3-2-1			R
notch-beaked milkwort	<i>Polygala heterorhyncha</i>			1B	2-1-2	R		
narrow-leaved cottonwood	<i>Populus angustifolia</i>			2	3-2-1	?	?	?
Albert's sanvitalia	<i>Sanvitalia albertii</i>			2	3-2-1		R	
burro grass	<i>Scleropogon brevifolius</i>			2	3-1-1		R	
desert wing-fruit	<i>Selinocarpus nevadensis</i>			2	3-1-1			R
Rusby's mallow	<i>Sphaeralcea rusbyi</i> ssp. <i>eremicola</i>	BLM SS		1B	3-2-3	R		R
Eureka Valley dunegrass	<i>Swallenia alexandrae</i>	Endangered	CA Rare	1B	3-2-3	R		
holly-leaved tetraococcus	<i>Tetracoccus ilicifolius</i>			1B	3-1-3	R		
Plummer's woodsia	<i>Woodsia plummerae</i>			2	3-1-1		R	

STATUS EXPLANATIONS

Federal

BLM SS = BLM Sensitive Species = Sensitive species are those designated by a State Director, usually in cooperation with the State agency responsible for managing the species as sensitive. They are those species that are: (1) under status review by the FWS/NMFS; or (2) whose numbers are declining so rapidly that Federal listing may become necessary; or (3) with typically small and widely dispersed populations; or (4) those inhabiting ecological refugia or other specialized or unique habitats.

State

NVCE = Critically Endangered in Nevada

NVCE# = Recommended for Critically Endangered List, pending formal list

California Native Plant Society (CNPS)

List 1A = Plants presumed extinct in California

List 1B = Plants Rare, Threatened, or Endangered in California and elsewhere

List 2 = Plants Rare, Threatened, or Endangered in California, but more common elsewhere

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CNPS RED Code

R (Rarity)

1 = Rare, but found in sufficient numbers and distributed widely enough that the potential for extinction is low at this time

2 = Distributed in a limited number of occurrences, occasionally more if each occurrence is small

3 = Distributed in one to several highly restricted occurrences, or present in such small numbers that it is seldom reported

E (Endangerment)

1 = Not endangered

2 = Endangered in a portion of its range

3 = Endangered throughout its range

D (Distribution)

1 = More or less widespread outside California

2 = Rare outside California

3 = Endemic to California

TABLE C-3: LISTED ANIMALS WITHIN DEATH VALLEY NATIONAL PARK

ANIMAL SPECIES		LISTING STATUS		HABITAT	DISTRIBUTION	THREATS	IMPORTANCE OF NEMO TO LONG-TERM CONSERVATION OF THE SPECIES
Common Name	Scientific Name	Federal	State				
BIRDS							
Swainson's hawk	<i>Buteo swainsoni</i>		Threatened	Breeds in juniper-sage flats, riparian areas and in oak savanna. Requires adjacent suitable foraging areas such as grasslands, alfalfa or grain fields supporting rodent populations. Trees are important nesting habitat in desert.	Western half of U.S., w Canada, ne MX. In CA, primarily migrants throughout planning area. Has been recorded at the Amargosa Canyon Natural Area and its immediate drainage and at MOJA ¹ and DEVA ² . Owens Valley supports a small breeding population	Although formerly abundant in CA, loss of nesting habitat has reduced the state's population significantly. Off-site pesticide use is another significant threat.	The planning area encompasses little of the species' total range.
western yellow billed cuckoo	<i>Coccyzus americanus occidentalis</i>		Endangered	Riparian forest nester, along the broad lower flood-bottoms of larger river systems. Nests in riparian jungles of willow, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape.	Probably only 50 pairs of cuckoos are presently in CA (primarily at Kern & Sacramento Rivers). Has been recorded at Amargosa Canyon Natural Area and at DEVA, also at Prado Basin, Mojave R. (Victorville), Owens Valley, Santa Clara R. CA summer migrant.	Habitat loss and fragmentation due to clearing of riparian stands for flood control, land reclamation, agriculture and urbanization. Lowering water tables due to irrigation, construction of dams and urban growth. Exotic vegetation and grazing.	The planning area encompasses little of the species' total range.

ANIMAL SPECIES		LISTING STATUS		HABITAT	DISTRIBUTION	THREATS	IMPORTANCE OF NEMO TO LONG-TERM CONSERVATION OF THE SPECIES
Common Name	Scientific Name	Federal	State				
southwestern willow flycatcher	<i>Empidonax traillii extimus</i>	Endangered	(<i>Empidonax traillii</i> is State listed Endangered)	Inhabit extensive thickets of low, dense willows on edge of wet meadows, ponds, or backwaters. Require dense willow thickets for nesting and roosting; low, exposed branches are used for singing posts and hunting perches. 2000-8000 ft elev.	Only 300-500 nesting pairs thought to exist over species' entire range (70 pairs in CA). Breeding range includes s CA, s NV, s UT, NM, w TX; (possibly sw CO, n Baja, CA and Sonora, MX). Recorded at Amargosa Canyon Natural Area, DEVA, and at least at the species level at MOJA.	Cowbird parasitism and habitat modification are primary threats; the latter from: water diversion, livestock grazing (including destruction of nests by cattle). ORV / OHV ³ and other recreational uses.	Certain wetlands in NEMO are ephemeral sites for SWWF. Because migration routes and wintering grounds are not well known and habitat patches as small as 0.5 hectares can support 1-2 nesting pairs, the planning area may be of some although limited importance to species recovery.
elf owl	<i>Micrathene whitneyi</i>		Endangered	In CA, nesting area is limited to cottonwood-willow and mesquite riparian zone along the Colorado River. Nests in deserted woodpecker holes, often in larger trees which offer insulation from high daytime temperatures.	Along the Colorado River. Has been recorded at DEVA.		
least Bells vireo	<i>Vireo bellii pusillus</i>	Endangered	Endangered	Riparian; willow-cottonwood forest, oak woodland, shrubby thickets and dry washes established with arroyo willows. Small amounts of aquatic and herbaceous cover. Dense shrub layer from 2.0 to 9.9 ft above ground.	Only in CA and Baja CA. Small scattered areas in south/south-central CA; coastal/inland. Currently breeds in few scattered riparian habitat in s CA, in Amargosa River. Has been recorded at Amargosa Canyon Natural Area and its immediate drainage; also at DEVA.	Loss of riparian habitat. Brood parasitism by brown-headed cowbirds. Susceptibility to rapid local extinction resulting from disease outbreak or increase in predators or parasites. Nest predation by birds, snakes and mammals.	The planning area represents fringe habitats for LBV and low numbers of documented birds, given depleted habitats near large population centers in southern CA; however, NEMO management may contribute to species recovery.

ANIMAL SPECIES		LISTING STATUS		HABITAT	DISTRIBUTION	THREATS	IMPORTANCE OF NEMO TO LONG-TERM CONSERVATION OF THE SPECIES
Common Name	Scientific Name	Federal	State				
MAMMALS							
Mohave ground squirrel	<i>Spermophilus mohavensis</i>	(Former C2) NPS SS	Threatened	Open desert scrub, alkali desert scrub, Joshua tree woodland. Feed in annual grasslands. Prefers sandy to gravelly soils. Avoids rocky areas; uses burrows at base of shrubs for cover; nests are in burrows. 1800-5000 feet elevation.	Western Mojave Desert, Inyo, Kern, San Bernardino, Los Angeles counties. Has been recorded at DEVA and BLM ⁴ .	Degradation of habitat by agriculture, OHV / ORV activity, military maneuvers, livestock grazing. Isolation of individual populations due to habitat fragmentation.	
AMPHIBIANS							
black toad	<i>Bufo exsul</i>	(Former C2)	Threatened	Near springs, watercourses, marshes, wet meadows. Seek cover under and between clumps of vegetation, surface objects. 5000-52000 ft elev.	Found only in Deep Springs Valley between the White and Inyo Mountains. Mostly at Corral Springs, Bog Mound Springs and Buckhorn Springs and a few at Antelope Springs 5 miles to the north. Has been recorded at DEVA and BLM.	State threatened due to naturally small populations and restricted habitat. Water development and diversion. Vulnerability to excessive vegetation growth surrounding its habitat.	The planning area is important to the recovery of this species.
REPTILES							
desert tortoise	<i>Gopherus agassizii</i>	Threatened	Threatened	Wide variety of habitats including alluvial fans, desert washes, broad valleys, creosote bush communities with annual flower blooms. Friable soil for digging burrows.	Mojave Desert portions of CA, NV, and north of the Colorado River in AZ and southwestern UT. Has been recorded at DEVA, MOJA, and BLM.	Upper respiratory tract and shell lesion diseases. Collection. Predation by ravens and canids. Conflicts with livestock and feral burros (trampling). Direct mortality and injury by humans from poaching, shooting, OHV / ORV use.	NEMO includes roughly 10-15% of total critical habitat designated for DT. Populations receive relatively few human impacts and may be relatively disease-free as compared with western Mojave populations, an important consideration for species recovery.

ANIMAL SPECIES		LISTING STATUS		HABITAT	DISTRIBUTION	THREATS	IMPORTANCE OF NEMO TO LONG-TERM CONSERVATION OF THE SPECIES
Common Name	Scientific Name	Federal	State				
FISH							
Devils Hole Pupfish	<i>Cyprinodon diabolis</i>	Endangered	NV Critically Endangered		Occurs only at Devils Hole in NV (NPS administered) but part of the larger system that includes Ash Meadows. Endemic to DEVA Class I. ⁵	Groundwater mining in Ash Meadows directly lowers the water level in Devil's Hole and progressively exposes the shallow limestone shelf upon which the pupfish depend for food and spawning.	This species occurs entirely within the planning area at DEVA.

STATUS EXPLANATIONS

Federal

NPS SS = National Park Service Sensitive Species = Any species or infraspecies not otherwise designated whose population characteristics warrant special management or more intensive monitoring. Consideration may include but is not limited to: local rarity; endemism, park management objectives, usefulness of species as an indicator species, vulnerability to population declines; human disturbance; political concern / public interest

NOTES

¹ MOJA = Mojave National Preserve

² DEVA = Death Valley National Park

³ OHV/ORV = Off-Highway Vehicles or Off-Road Vehicles

⁴ BLM = Bureau of Land Management public lands within the NEMO Planning Area

⁵ Endemic to DEVA Class I = Entire distribution occurs within the boundary of the former Death Valley National Monument

TABLE C-4: LISTED AND PROPOSED PLANTS WITHIN DEATH VALLEY NATIONAL PARK

PLANT SPECIES		LISTING STATUS		CNPS	CNPS RED CODE	HABITAT	DISTRIBUTION	THREATS	IMPORTANCE OF NEMO TO LONG-TERM CONSERVATION OF THE SPECIES
Common Name	Scientific Name	Federal	State	CNPS					
shining milk-vetch	<i>Astragalus lentiginosus</i> var. <i>micans</i>	Proposed Threatened		1B	3-2-3	Desert dunes forming dense clumps along the lower slopes of mobile dunes. +/- 3050-3100 ft elev.	Northern Mojave Desert (Eureka Valley). More strongly perennial, with longer hairs than similar plants of the variety ' <i>variabilis</i> .'	Trampling, OHV / ORV ¹ use, noxious weed invasion (Russian thistle).	The entire known range of this variety is within the planning area.
Spring loving centaury	<i>Centaurium namophilum</i>	Threatened	NV Critically Endangered				Eastern Mojave Desert, Ash Meadows. (According to Jepson, all are apparently <i>C. exaltatum</i>). Has been recorded at DEVA. ²		
July gold	<i>Dedeckera eurekaensis</i>	BLM SS	CA Rare	1B	2-1-3	Mojavean desert scrub; limestone outcrops, on rocky ridges, cliffs, talus slopes, and sometimes in washes, restricted to carbonate soils, restricted to Bonanza King Formation dolomite and Polet Formation limestone. 4000-7200 ft elev.	Ten disjunct occurrences in the Last Chance, Inyo, White and Panamint Mountains (Inyo County, CA). Locations is rocky canyons west of Saline Valley, especially Hunter Canyon; also found on Owen's Valley slopes. Has been recorded at DEVA and BLM. ³	Mining, OHV / ORV use, small hydroelectric development, possibly collecting for firewood.	
Ash meadows sunray	<i>Enceliopsis nudicaulis</i> var. <i>corrugata</i>	Threatened	NV Critically Endangered	4	1-1-1	<i>E. nudicaulis</i> is found in Great Basin scrub, Mojavean desert scrub, stony hillsides and canyons, calcareous substrates. 3100-6600 ft elev.	<i>E. nudicaulis</i> is uncommon. White and Inyo Mountains, desert mountains to ID, UT, northern AZ. Also in Last Chance Mountains.		

PLANT SPECIES		LISTING STATUS		CNPS	CNPS RED CODE	HABITAT	DISTRIBUTION	THREATS	IMPORTANCE OF NEMO TO LONG-TERM CONSERVATION OF THE SPECIES
Common Name	Scientific Name	Federal	State	CNPS					
rock lady	<i>Maurandya petrophila</i>	BLM SS	CA Rare	1B	3-2-3	Mojavean desert scrub, limestone crevices of canyons, narrow steep canyon walls within limestone crevices, shaded from afternoon sun. 3600-5000 ft elev.	Northern Mojave Desert, Titus, Fall Canyons, Death Valley region, Inyo County.		
Eureka Dunes evening primrose	<i>Oenothera californica</i> ssp. <i>eurekensis</i>	Endangered	CA Rare	1B	3-2-3	Desert dunes (away from slopes), generally with <i>Psoralea polydenius</i> . 2950-3950 ft elev.	Northernmost Mojave Desert (Eureka Valley). Populations are few but large. Known from fewer than five occurrences in the Eureka Dunes.	Trampling, occasional off-road driving, noxious weed invasion (Russian thistle).	
Eureka Valley dunegrass	<i>Swallenia alexandrae</i>	Endangered	CA Rare	1B	3-2-3	Desert dunes; active desert dunes. 2900-4000 ft elev.	White and Inyo Mountains (Eureka Valley in northeastern Inyo County). The only known populations in the world are in the Eureka Dunes. Only four populations are known all in southern Eureka Valley in relatively deep sand.	Unauthorized OHV / ORV use and other unmanaged recreational dune use.	The total range of the species is within the planning area.

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